

Claims

1. Mobile power station having a transportable housing provided with:
 - a wind turbine and/or
 - 5 ➤ a solar cell panel containing solar cells and
 - storage means for storing electrical energy and delivering electrical energy,wherein the wind turbine and the solar panel, respectively, are actively connected to the storage means for supplying electrical energy generated by the wind turbine and the solar panel, respectively, to said storage means,
- 10 wherein the storage means comprise a battery and a hydrogen system, and wherein the hydrogen system comprises a hydrogen generator, a hydrogen tank, actively connected to the hydrogen generator, for storing hydrogen produced using the hydrogen generator, and a hydrogen cell, actively connected to the hydrogen tank, for generating electrical energy by combustion of hydrogen.
- 15 2. Mobile power station according to Claim 1, containing a solar collector panel that is actively connected to a boiler for hot water.
3. Mobile power station according to Claim 1 or 2, containing a water tank for rainwater, wherein the water tank is actively connected via a filter system, preferably of the membrane type, to the hydrogen generator as well as preferably also to the boiler.
- 20 4. Mobile power station according to one of the preceding claims, wherein the transportable housing is a container, such as a 20, 30 or 40 foot freight or sea container.
- 25 5. Mobile power station according to one of the preceding claims, wherein the wind turbine is mounted on the housing and extends upwards from the roof of the housing, or at least can be brought into an active position extending upwards from the roof of the housing.
- 30 6. Mobile power station according to Claim 5, wherein the housing has a block-shaped base frame and wherein extendable supports are provided on opposite sides, in particular opposite longitudinal sides, of the housing.

7. Mobile power station according to one of the preceding claims, wherein the storage means are accommodated in the housing and wherein the housing is provided with vents.

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8. Mobile power station according to one of the preceding claims, wherein the solar cell panel and/or the solar collector panel are/is, or at least can be, mounted on hinges on the outside of the housing.

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